



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 8, 2016

Cheryl Wagner
Agent for Sharda USA, LLC
c/o Wagner Regulatory Associates, Inc.
P.O. Box 640
Hockessin, DE 19707

Subject: Label Amendment – Label amendment ahead of registration review
Product Name: Shotaran 4SC
EPA Registration Number: 83529-33
Application Date: November 2, 2015
Decision Number: 511065

Dear Ms. Wagner:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Emily Schmid by phone at 703-347-0189, or via email at schmid.emily@epa.gov.

Sincerely,

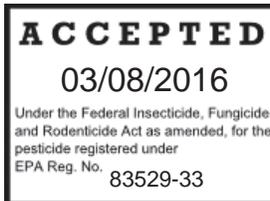
A handwritten signature in blue ink, appearing to read "Reuben Baris". The signature is stylized with a large, sweeping initial "R" and a distinct "B".

Reuben Baris, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

GROUP	7	HERBICIDE
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SHOTARAN 4SC [ABN: Sharda Fluometuron 4SC]
 Controls Weeds in Cotton



ACTIVE INGREDIENTS:*	% BY WT.
Fluometuron: 1,1-dimethyl-3-(α , α , α -trifluoro-m-tolyl) urea	41.7%
OTHER INGREDIENTS:	<u>58.3%</u>
TOTAL:	100.0%

*Contains 4 lbs. active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN
CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
 (If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER: For 24 Hour Medical Emergency Assistance (Human or Animal), or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-222-1222 . Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN: If this product is ingested, lavage stomach or induce vomiting. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.	

EPA Reg. No. 83529-33
 EPA Est. No. _____
 NET CONTENTS: _____ GALLONS

Manufactured for:
Sharda USA LLC 
 7217 Lancaster Pike, Suite A
 Hockessin, Delaware 19707

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove and wash contaminated clothing before reuse. Avoid breathing spray mist. Avoid contact with eyes or clothing. Wear protective eyewear. Wear: Long-sleeved shirt and long pants, socks, shoes, and gloves.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers and loaders using aerial application must wear:

- coveralls over long-sleeved shirt and long pants
- waterproof gloves
- chemical-resistant footwear
- socks
- a chemical-resistant apron

All other mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeved shirt
- long pants
- shoes and socks, and
- waterproof gloves (except applicators and flaggers)

See engineering controls section for additional requirements and options.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard [WPS] for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Enclosed Cockpits for Aerial Applicators Engineering Controls: Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside; then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Fluometuron is known to leach through soil into groundwater under certain conditions, including karst, geology areas, as a result of registered uses. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

Groundwater advisory

Do not apply within 100 feet of any well used for potable water. Do not apply to fields with dewatering or agricultural drainage wells. Do not apply this product within 100 feet from the edge of areas containing karst topographical features containing sinkholes, caverns, springs, and sinking or disappearing streams. Where groundwater aquifers exist at a depth of 30 feet or less from the surface, do not apply this product where soils are Hydrologic Group A.

INTEGRATED PEST MANAGEMENT

This product may be applied as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

RESISTANCE

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of resistant weed biotypes cannot be achieved. If weed control is inadequate, it may be necessary to re-treat problem areas using a product that affects a different site of action.

To delay the proliferation and possible dominance of herbicide-resistant weed biotypes and better manage herbicide resistance, change cultural practices within and between crop seasons, by using a combination of tillage, re-treatment, tank mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that go to seed will promote the spread of resistant biotypes.

Keep accurate records of pesticide products applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide application methods available in your area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its label.

SHOTARAN 4SC is a suspension concentrate containing 4 pounds of active ingredient per gallon of product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is:

- Coveralls worn over a short-sleeved shirt and short pants
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks, and
- Protective eyewear

SHOTARAN 4SC controls annual grasses and annual broadleaf weeds in cotton, including:

Annual Grass Weeds

Barnyardgrass	Foxtail
Crabgrass	Goosegrass
Crowfootgrass	Ryegrass
Fall panicum	Signalgrass (<i>Brachiaria</i>)

Annual Broadleaf Weeds

Buttonweed	Pigweed
Cocklebur	Prickly sida (teaweed)
Florida pusley	Purslane
Groundcherry (Wright)	Ragweed
Jimsonweed	Sesbania
Lambsquarters	Sicklepod
Marestail (Horseweed)	Smartweed
Morningglory	Tumbleweed

SHOTARAN 4SC applied at 4 pts. per acre is not effective in controlling established perennial weeds such as Johnsongrass from rhizomes.

Cotton

Apply **SHOTARAN 4SC** pre-plant, pre-emergence, and post-emergence.

For pre-plant and pre-emergence treatment only, tank mix **SHOTARAN 4SC** with most liquid nitrogen fertilizers. **SHOTARAN 4SC** can be combined with other herbicides in cotton as directed in the COMBINATIONS section.

Pre-Plant/Pre-Emergence Precautions

SHOTARAN 4SC used pre-plant or pre-emergence in combination with a soil-applied organophosphate insecticide applied at planting can result in cotton injury. Applying **SHOTARAN 4SC** to cotton in combination with any product containing

clomazone can result in crop injury. To the extent consistent with applicable law, Sharda USA LLC will not be held responsible for losses or damage resulting from such uses of this product with any clomazone-containing product. Rainfall that is sufficient to germinate seeds or for growing crops is adequate to activate the herbicidal activity of **SHOTARAN 4SC**. The herbicidal activity of **SHOTARAN 4SC** may be delayed or reduced under dry weather conditions. Cultivate if weeds develop.

Pre-Plant/Pre-Emergence Restrictions

- Do not make a second application of **SHOTARAN 4SC** earlier than 20 days following the initial application.
- Do not make more than two applications of **SHOTARAN 4SC** to the same crop in the same field in any given year.
- **AZ and NM:** Do not apply within 60 days of harvest. Do not feed foliage from treated cotton plants to livestock.
- Do not plant crops other than cotton after the last application of **SHOTARAN 4SC** without the following plantback intervals or crop injury may occur.

Plantback intervals for the following crops (except for AZ and NM):

Wheat:	3 months
Corn (field, sweet) and peanuts:	8 months
Rice, grain sorghum, and soybeans:	9 months
All other crops:	12 months

Table 1. Application Soil Restrictions

Broadcast Rates per Pints per Acre of **SHOTARAN 4SC** and Active Ingredient Equivalent

Soil Texture	Maximum One-Time Application Rate	Annual Maximum Number Of Applications Per Year	Annual Maximum Application Rate
Sand, loamy sand, and sandy loam soils	2 pts. (1 lb. a.i./A)	2	4 pts. (2 lbs. a.i./A)
Loam, silt loam, silt, sandy clay loam, silty clay loam, and clay loam soils	3.2 pts. (1.6 lbs. a.i./A)	2	6 pts. (3 lbs. a.i./A)
Sandy clay, silty clay, and clay soils	4 pts. (2 lbs. a.i./A)	2	6 pts. (3 lbs. a.i./A)

Additional State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of products containing Fluometuron. Where states have more stringent regulations, they must be observed. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions section for specific application rate/soil restrictions.

AR, LA, and MS only: Use 1.6 pints of **SHOTARAN 4SC** per acre on sandy loam soils low in organic matter.

AZ and NM only: Cotton, corn, and grain sorghum can be planted the next spring. Do not plant treated areas to other crops until 1 year after last application. Do not use on sandy or coarse-textured soil of less than 1% organic matter.

West TX only: Do not use **SHOTARAN 4SC** on sandy, loamy sand, or fine sandy loam soils. Do not use **SHOTARAN 4SC** on cotton planted in furrows.

Pre-Plant Treatment (except AZ and NM)

SHOTARAN 4SC may be applied for burndown of existing annual weeds and residual control of weeds prior to planting cotton. Apply 2 to 4 pints per acre of **SHOTARAN 4SC** 15 to 75 days prior to anticipated planting. Use the lower rate on

light silt and sandy soils low in organic matter. Apply before weeds germinate or before weed seedlings are more than 2 inches tall. If weeds are emerged prior to application, add a surfactant. When emerged weeds are taller than 2 inches, or weeds not listed on the **SHOTARAN 4SC** label are present, **SHOTARAN 4SC** may be tank mixed with other products registered for pre-plant applications in cotton. Consult tank mix product labels for specific rate instructions and precautions. Early pre-plant applications may require additional weed control before planting. Refer to Table 1 in the Application Soil Restrictions section for specific application rate/soil restrictions before applying **SHOTARAN 4SC**.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Pre-emergence applications of herbicides with a similar mode of action (such as diuron) following a pre-plant application of **SHOTARAN 4SC** may result in cotton injury. This is most critical where applications of **SHOTARAN 4SC** are made less than 30 days pre-plant, on coarse-textured soils, and on soils low in organic matter.

Mares tail (Horseweed): For improved residual control of mares tail, apply a pre-plant burndown tank mix of glyphosate plus dicamba DGA plus **SHOTARAN 4SC**, or glufosinate ammonium plus **SHOTARAN 4SC**.

Pre-Plant Incorporated Use (AZ and NM)

Apply 3.2 pints per acre of **SHOTARAN 4SC** pre-plant as a broadcast spray after the beds for pre-plant irrigation are formed. Apply before the beds are dragged off (use a bed shaper set to remove 1 to 2 inches from beds) in preparation for planting. Furrow irrigation should precede the application and planting should follow as soon as possible. Plant into untreated soil after drag-off and return treated soil to the beds when furrows are reformed. Do not allow furrow irrigation water to pond over the beds. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions section for specific application rate/soil restrictions.

Pre-Emergence Treatment

Apply 2 to 4 pints **SHOTARAN 4SC** per acre. Use the lower rate on light silt and sandy soils low in organic matter. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions section for specific application rate/soil restrictions.

Plantback intervals must be as follows:

- Wheat: 3 months
- Corn (field & sweet) & peanuts: 8 months
- Rice, grain sorghum, and soybeans: 9 months
- All other crops: 12 months

Post-Emergence Treatments

SHOTARAN 4SC may be applied post-emergence to cotton, but pre-emergence to weeds or post-emergence to both cotton and weeds. Apply 2 to 4 pints per acre of **SHOTARAN 4SC**. Apply as a directed, semi-directed, or over-the-top spray. Apply **SHOTARAN 4SC** to cotton plants at any stage of growth from 3 inches high to layby. Use the higher rate when applying post-emergence to weeds; weeds should be no taller than 2 inches. Post-emergence herbicidal activity of **SHOTARAN 4SC** can be enhanced by using a surfactant that is FDA-approved for use on food and feed crops and is compatible with **SHOTARAN 4SC**. The surfactant rate must not exceed 0.5% of the carrier volume (1 pint per 25 gallons of water). Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions section for specific application rate/soil restrictions.

COMBINATIONS

It is the pesticide user's responsibility to ensure that all products in the mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language for each of the products in the mixture.

Pyrimax® 3.2L and other products of pyriithiobac sodium: A program of pyriithiobac sodium applied according to label directions plus **SHOTARAN 4SC** at 2 to 4 pints per acre applied pre-emergence followed by pyriithiobac sodium early post-emergence can be used for improved control of bristly starbur, coffee senna, common ragweed, Florida beggarweed, hemp sesbania, jimsonweed, ladythumb, smartweed, lambsquarters, annual morningglory (cypressvine, entireleaf, ivyleaf, pitted, purple, red/scarlet, sharppod/cotton, smallflower), Pennsylvania smartweed, pigweed (red root, smooth, spiny), prickly sida, spotted spurge, spurred anoda, velvetleaf, and for suppression of palmer pigweed. On light silt and sandy soils low in organic matter, use the lower rate. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions section for specific application rate/soil restrictions.

Specific Weed Problems (Sicklepod, Wild Poinsettia, Yellow Nutsedge)

For improved control of the above weeds and other labeled weeds that often occur in high populations and/or have multiple seasonal flushes, a program of pyriithiobac sodium at applied according to label directions plus **SHOTARAN 4SC** at 2 to 4 pints per acre applied pre-emergence followed by a post-emergence application of pyriithiobac sodium alone or in combination with MSMA or DSMA is recommend. On light silt and sandy soils low in organic matter, use the lower rate. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions section for specific application rate/soil restrictions.

Products containing Metolachlor

Use in a tank mixture with **SHOTARAN 4SC** pre-emergence in cotton for control of all weeds as listed on both labels. This combination will also control spotted spurge, hyssop spurge, nodding spurge, and prostrate spurge. Apply to the soil surface at planting or after planting, but before weeds or crops emerge, using the appropriate rates from the metolachlor label and the following table.

It is the pesticide user’s responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

SHOTARAN 4SC - Cotton Broadcast Rates per Acre when Applied with Parallel PCS or Other Metolachlor Products According to Label Directions

Soil Texture	SHOTARAN 4SC (pts.)
Sand, loamy sand	DO NOT USE
Sandy loam*	2.0
Loam, silt loam, silt	2.0 - 3.2
Fine soil	3.2 - 4.0

*Use on sandy loam soils only in eastern OK, Gulf Coast, Rio Grande Valley, and Eastern TX.

Combination Restrictions:

- Do not apply **SHOTARAN 4SC** + Parallel PCS or other metolachlor products on sand or loamy sand soils or in areas where water is likely to “pond” over the bed or crop injury may occur.
- Do not apply broadcast to furrow-planted cotton.

- The use of **SHOTARAN 4SC** pre-plant or pre-emergence in conjunction with a soil-applied organophosphate insecticide at planting may result in injury to cotton. In addition, SHOTARAN 4SC applied to cotton with any application of Command (clomazone) herbicide may result in crop injury. To the extent consistent with applicable law, Sharda USA, LLC will not be held responsible for losses or damage resulting from such uses.
- Do not use on Taloka silt loam, or crop injury may occur. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions for specific application rate/soil restrictions.

Refer to the appropriate metolachlor label for further instructions, precautions, and limitations.

Note: Do not feed treated forage to livestock or graze treated areas.

Rotational Crops: Refer to the crop rotation instructions for **SHOTARAN 4SC** alone on this label and for metolachlor alone on the Parallel PCS or other metolachlor product label.

Triflurex® HFP or other products containing trifluralin: Use in a tank mixture with **SHOTARAN 4SC** (all areas except AZ) or before an overlay with **SHOTARAN 4SC** in cotton for control of all weeds listed on both labels.

For the tank mixture, follow soil preparation and incorporation procedures for Trifluralin products. Apply **SHOTARAN 4SC** at rates specified below in a minimum of 15 gallons of water per acre tank mixed with trifluralin according to label directions.

SHOTARAN 4SC - Cotton (all areas except AZ) Broadcast Rates per Acre when Applied with Trifluralin Products According to Label Directions

Soil Texture	Broadcast Rates Per Acre
	SHOTARAN 4SC
Sand, loamy sand, sandy loam	2 pts.
Loam, silty clay loam*, silt loam, silt, sandy clay loam*, clay loam	3.2 pts.
Clay, clay loam, silty clay loam*, silty clay, sandy clay, sandy clay loam*	4 pts.

*Silty clay loam and sandy clay loam are transitional soils. If these soils are predominantly sand or silt, they are usually classified as medium-textured soils. If predominantly clay, they are classified as fine-textured soils.

For the overlay, apply **SHOTARAN 4SC** as a pre-emergence soil surface treatment as specified on this label at 2 - 4 pints per acre after a pre-plant soil incorporated treatment of Trifluralin product. Apply Trifluralin product as specified on its label.

SHOTARAN 4SC + Trifluralin Restrictions:

- Do not use the tank mix in AZ. Do not apply the tank mix of **SHOTARAN 4SC** + Trifluralin in liquid fertilizer.
- Refer to the Trifluralin label for directions, precautions, and limitations for use of that product as well as the directions, precautions, and limitations on this **SHOTARAN 4SC** label. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).
- Before applying **SHOTARAN 4SC**, refer to Table 1 in the **Pre-plant/Pre-emergence Restrictions** for specific application rate soil restrictions.

PROWL® and other Pendimethalin products: Apply **SHOTARAN 4SC** as a pre-emergence surface treatment as specified on this label at 2 - 4 pts. per acre after a pre-plant treatment of Prowl or other appropriate pendimethalin product for control of all weeds listed on both labels. Refer to the pendimethalin product label for directions, precautions, and

limitations for use of that product. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions for specific rate/soil restrictions.

DSMA OR MSMA: SHOTARAN 4SC may be tank mixed with DSMA or MSMA and applied as a directed spray to cotton from 3 inches high to first bloom. Use the broadcast rate of 2 - 4 pts. of **SHOTARAN 4SC** per acre and the necessary amount of DSMA or MSMA plus 0.5% of a surfactant that is approved by FDA for use on food and feed crops and is compatible with **SHOTARAN 4SC** + DSMA or **SHOTARAN 4SC** + MSMA when applied to cotton. When using this mixture, do not allow spray to contact cotton foliage. Do not graze treated areas or feed treated forage to livestock. Adhere strictly to the dosage, precautions, and limitations of the labels of the products. Before applying **SHOTARAN 4SC**, refer to Table 1 in the Application Soil Restrictions for specific application rate/soil restrictions.

APPLICATION PROCEDURES MIXING INSTRUCTIONS

1. Fill spray tank 1/2 to 3/4 full with clean water or nitrogen solution.
2. Start agitation.
3. Pour **SHOTARAN 4SC** directly from the container into the partially filled spray tank.
4. If **SHOTARAN 4SC** is to be tank mixed with another herbicide, add that product after the **SHOTARAN 4SC** is thoroughly mixed in the partially filled spray tank.
5. Add the rest of the water or nitrogen solution.
6. Provide agitation during mixing and application to maintain a uniform suspension.

To determine compatibility, add two teaspoons of **SHOTARAN 4SC** to one pint of nitrogen solution (equals 4 pts. in 25 gals.; if using other application rates, adjust compatibility test amounts proportionally). Stir or shake thoroughly and let stand 5 minutes. If the mixture remains mixed or can be remixed readily, it is compatible and can be used. If **SHOTARAN 4SC** settles out when mixed with a nitrogen solution, a suspensibility agent such as Unite®, Compex®, or equivalent at 1 - 3 pts. per 100 gals. fertilizer may improve compatibility. Add 1/8 - 3/8 teaspoon of suspensibility agent to the compatibility test to determine its effectiveness. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

EQUIPMENT

Clean sprayer thoroughly prior to use. Do not use a sprayer contaminated with 2,4-D or other materials, as crop damage or sprayer clogging may result.

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Use properly calibrated conventional spray equipment that will apply spray uniformly and has hydraulic or mechanical agitation (except in Arizona where only mechanical agitators are recommended). Screens in nozzles, in suction, and in-line strainers must be no finer than 50-mesh. Use a pump with capacity to maintain 35 - 40 psi at the nozzles. If hydraulic agitation is used, the pump should also provide sufficient agitation in the tank to keep the mixture in suspension. Avoid leaving spray mixture in tank without constant agitation. If bypass agitation is used, it should terminate at the bottom of the tank to minimize foaming. Wash sprayer thoroughly with clean water immediately after use.

Apply in a minimum of 10 gals. per acre for pre-plant incorporated or pre-emergence applications, or apply in a minimum of 20 gals. per acre for post-emergence application.

BAND TREATMENT

For band treatment, calculate the amount of **SHOTARAN 4SC** needed by the formula:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast rate per acre} = \text{Amount needed per acre of field}$$

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed: Do not apply at wind speeds greater than 15 mph.

Droplet Size: Apply as a medium or coarser spray (ASAE Standard 572).

Temperature Inversions: If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements: Applicators must follow all state and local pesticide drift requirements regarding application of Fluometuron. Where states have more stringent regulations, they must be observed.

Equipment: All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional Requirements for Aerial Applications:

1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
2. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional Requirement for Ground Boom Application:

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Sensitive Areas

Only apply **SHOTARAN 4SC** when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from sensitive areas).

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Keep container closed when not in use. Store product in original container only, away from food or feed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then puncture and dispose of in a sanitary landfill, incinerate or burn, if allowed by state and local authorities. Stay out of smoke from burning container.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Sharda USA, LLC (“SHARDA”) or Seller. To the extent consistent with applicable law, Buyer and User agree to hold SHARDA and Seller harmless for any claims relating to such factors.

SHARDA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions.

To the extent consistent with applicable law: (1) This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SHARDA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SHARDA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL. To the extent consistent with applicable law, in no event shall SHARDA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SHARDA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SHARDA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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